modern casting

Editorial Index for CMRJ

Vol. 10 March 1974-Dec. 1974

Titles

An Alloy for Negligible Emission Ductile Iron Treatment: P. D. Renschen, N. L. Church . . . United State, Sept. p 113-118

Analytical Solution to the Heat Transfer in Mold Walls During Solidification of Metals: M. Md. Roshan, E. G. Ramachandran, M. R. Seshadri, A. Ramachandran . . . India, March p 39-47

The Chilling of Ribs in Aluminum--4.5% Cu Alloy Castings: P. K. Pal, G. P. Reddy . . . India, Dec. p 178-180

A Computer-Aided Solution to the Solidification Problem: A. Lazaridis . . . United States, March p 48-55.

Effect of Composition and Melting Practice on Creep-Rupture Properties of Fe-40% Ni-20% Cr Casting Alloy: C. Steel . . . Canada, June p 71-77

Feeder Dimensioning for Chilled Al-12% Si Alloy Plate Castings: K. V. Prabhakar, M. R. Seshadri . . . India, Dec. p 154-162

Feeding of Castings Poured in Ceramic Molds: J. Coviaux, M. Jeancolas . . . France, March p 21-25

Ferrite Formed in Oil Quenched Ductile Iron: B. Kovacs, S. I. Karsay, F. w. Martin . . . United States, June p 67-70

Ferrite Grain: Application to Malleable Cast Iron: S. Parent-Simonin . . . France, June p 83-90

Formation and Avoidance of Graphite Degeneration in Thickwalled Castings of Spheroidal Graphite Iron: W. Thury . . . Austria, Sept. p 134-137

Grain Refinement of Sand Cast Bronzes and Its Influence on Their Properties: A. Couture, J. O. Edwards . . . Canada, March p 1-5

Hydrogen Pinholes in Gray Cast Iron: R. Ferri . . . Italy, Sept. p 129-133

Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part I: R. Faivre, B. Vigneron, M. Degois . . . France, March p 15-17

Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part II: R. Faivre, B. Vigneron, M. Degois . . . France, June p 57-61

Influence of Insulating Mold Coatings on the Solidification of Copper Castings in Metallic Molds and Thermal Behavior of Molds: K. V. K. Nehru, M. R. Seshadri, E. G. Ramachandran . . . India, Sept. p 111-112

Investigations of the Maximum Permissible Pouring Time of Cast Steel into Green Sand Molds: K. Hess . . . Poland, March p 6-14

Iron-Graphite Surface Phenomena and Their Effects on Iron Solidification: R. H. McSwain, C. E. Bates, W. D. Scott . . . United States, Dec. p 181-189

Isothermal Growth of Graphite in Ductile Iron: N. K. Datta, N. N. Engel . . . United States, June p 62-66

Mathematical Principles of Sand Reclamation: K. Srinagesh . . . United States, Dec. p 166-168

Notes on Area Ratios in Gating Systems: S. I. Karsay . . . Canada, Dec. p 169-170

One Dimensional Inward Solidification with a Convective Boundary Condition: J. S. Gooding, M. S. Khader . . . United States, March p 26-29

On the melting Time of Solid Charging Material (Returns) in the Melt of an Inductile Crucible Furnace: E. Kotsch, F. Hegewaldt . . . Germany, Dec. p 163-165

Properties of Vermiculite--A Material for Insulating Feeder Heads: M. Rama Prasad, M. N. Srinivasan, M. R. Seshadri . . . India, Dec. p 171-177

Quantitative Feeding Behavior of White Iron for Location of Geometrically Designed Risers: V. L. Richards, R. W. Heine . . . United States, Sept. p 119-120

Refining the Grains in Manganese Steel: I. Henych . . . Switzerland, Sept. p 121-124

Second International Symposium on the Metallurgy of Cast Iron: G. S. Cole, J. F. Wallace . . . United States, Sept. p 138-144

Simulating Mold-Metal Reactions in a Small Laboratory Test: A. J. Kiesler, W. F. Moore, J. J. Frawley . . . United States, Sept. p 105-110

Solubility of Nitrogen in Liquid Fe-C-Si Alloys: M. Uda, R. D. Pehlke . . . United States, March p 30-38

Some Factors Influencing Inoculation and Inoculant Fade in Flake and Nodular Graphite Irons, A. Moore . . . England, June p 78-82

Strength Factors of Ceramic Shell Molds: R. L. Rusher, Sr. . . . United States, Dec. p 149-153

Structures and Mechanical Properties of High Leaded Tin Bronze Castings Solidified Under High Hydrostatic Pressure: S. Oya, Y. Matsuura, A. Kamio . . . Japan, March p 18-20

The Use of Computer-Generated Color Movies in Simulating Casting Solidification: W. C. Erickson . . . United States, Sept. p 125-128

Authors

Bates, C. E.; Scott, W. D.; McSwain, R. H.: Iron-Graphite Surface Phenomena and Their Effects on Iron Solidification, Dec. p 181-189

Church, N. L.; Renschen, P. D.: An Alloy for Negligible Emission Ductile Iron Treatment, Sept. p 113-118

Cole, G. S.; Wallace, J. F.: Second International Symposium on the Metallurgy of Cast Iron, Sept. p 138-144

Couture, A.; Edwards, J. O.: Grain Refinement of Sand Cast Bronzes and its Influence of Their Properties, March p 6-14

Coviaux, J.; Jeancolas, M.: Feeding of Castings Poured in Ceramic Molds, March p 21-25

Datta, N. K.; Engel, N. N.: Isothermal Growth of Graphite in Ductile Iron, June p 62-66

Degois, M.; Vigneron, B.; Faivre, R.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part I, March p 15-17

Degois, M.; Vigneron, B.; Faivre, R.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part II, June p 57-61

Dotsch, E.; Hegewaldt, F.: On the Melting Time of Solid Charging Material (Returns) in the Melt of an Induction Crucible Furnace, Dec. p 163-165

Edwards, J. O.; Couture, A.: Grain Refinement of Sand Cast Bronzes and its Influence on Their Properties, March p 1-5

Engel, N. N.; Datta, N. K.: Isothermal Growth of Graphite in Ductile Iron, June p 62-66

Erickson, W. C.: The Use of Computer-Generated Color Movies in Simulating Casting Solidification, Sept. p 125-128

Faivre, R.; Vigneron, B.; Degois, M.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part I, March p 15-17

Faivre, R.; Vigneron, B.; Degois, M.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part II, June p 57-61

Ferri, R.: Hydrogen Pinholes in Gray Cast Iron, Sept. p 129-133

Frawley, J. J.; Moore, W. F.; Kiesler, A. J.: Simulating Mold-Metal Reactions in a Small Laboratory Test, Sept. p 105-110

Gooding, J. S.; Khader, M. S.: One Dimensional Inward Solidification with a Convective Boundary Condition, March p 26-29

Hegewaldt, F.; Dotsch, E.: On the Melting Time of Solid Charging Material (Returns) in the Melt of an Induction Crucible Furnace, Dec. p 163-165

Heine, R. W.; Richards, V. L.: Quantitative Feeding Behavior of White Iron for Location of Geometrically Designed Risers, Sept. p 119-120

Henych, I.: Refining the Grains in Manganese Steel, p 121-124

Hess, K.: Investigations of the Maximum Permissible Pouring Time of Cast Steel into Green Sand Molds, March p 6-14

Jeancolas, M.; Coviaux, J.: Feeding of Castings Poured in Ceramic Molds, March p 21-25

Kamio, A.; Matsuura, Y.; Oya, S.: Structures and Mechanical Properties of High Leaded Tin Bronze Castings Solidified Under High Hydrostatic Pressure, March p 18-20

Karsay, S. I.; Kovacs, B.; Martin, F. W.: Ferrite Formed in Oil Quenched Ductile Iron, June p 67-70

Karsay, S. I.: Notes on Area Ratios in Gating Systems, Dec. p 169-170

Khader, M. S.; Gooding, J. S.: One Dimensional Inward Solidification with a Convective Boundary Condition, March p 26-29

Kiesler, A. J.; Moore, W. F.; Frawley, J. J.: Simulating Mold-Metal Reactions in a Small Laboratory Test, Sept. p 105-110

Kovacs, B.; Karsay, S. I.; Martin, F. W.: Ferrite Formed in Oil Quenched Ductile Iron, June p 67-70

Lazaridis, A.: A Computer-Aided Solution to the Solidification Problem, March p 48-55

Martin, F. W.; Karsay, S. I.; Kovacs, B.: Ferrite Formed in Oil Quenched Ductile Iron, June p 67-70

Matsuura, Y.; Oya, S.; Kamio, A.: Structures and Mechanical Properties of High Leaded Tin Bronze Castings Solidified Under High Hydrostatic Pressure, March p 18-20

McSwain, R. H.; Bates, C. E.; Scott, W. D.: Iron-Graphite Surface Phenomena and Their Effects on Iron Solidification, Dec. p 181-189

Moore, A.: Some Factors Influencing Inoculation and Inoculant Fade in Flake and Nodular Graphite Irons, June p 78-82

Moore, W. F.; Kiesler, A. J.; Frawley, J. J.: Simulating Mold-Metal Reactions in a Small Laboratory Test, Sept. p 105-110

Nehru, K. V. K.; Seshadri, M. R.; Ramachandran, E. G.: Influence of Insulating Mold Coatings on the Solidification of Copper Castings in Metallic Molds And Thermal Behavior of Molds, Sept. p 111-112

Oya, S.; Matsuura, Y.: Kamio, A.: Structures and Mechanical Properties of High Leaded Tin Bronze Castings Solidified Under High Hydrostatic Pressure, March p 18-20

Parent-Simonin, S.: Ferrite Grain: Application to Malleable Cast Iron, June p 83-90

Paul, P. K.; Reddy, G. P.: The Chilling of Ribs in Aluminum--4.5% Cu Alloy Castings, Dec. p 178-180

Pehlke, R. D.; Uda, M.: Solubility of Nitrogen in Liquid Fe-C-Si Alloys, March p 30-38

Prabhakar, K. V.; Seshadri, M. R.: Feeder Dimensioning for Chilled Al-12% Si Alloy Plate Castings, Dec. p 154-162

Prasad, M. Rama; Srinivasan, M. N.; Seshadri, M. R.: Properties of Vermiculite--A Material for Insulating Feeder Heads, Dec. p 171-177

Ramachandran, A.; Seshadri, E. G.; Roshan, H. Md.; Ramachandran, E. G.: Analytical Solution to the Head Transfer in Mold Walls During Solidification of Metals, March p 39-47

Ramachandran, E. G.; Nehru, K. V. K.; Seshadri, M. R.: Influence of Insulating Mold Castings on the Solidification of Copper Castings in Metallic Molds and Thermal Behavior of Molds, Sept. p 111-112

Ramachandran, E. G.; Roshan, H. Md.; Seshadri, E. G.; Ramachandran, A.: Analytical Solution to the Heat Transfer in Mold Walls During Solidification of Metals, March p 39-47

Reddy, G. P.; Pal, P. K.: The Chilling of Ribs in Aluminum--4.5% Cu Alloy Castings, Dec. p 178-180

Renschen, P. D.; Church, N. L.: An Alloy for Negligible Emission Ductile Iron Treatment, Sept. p 113-118

Richards, V. L.; Heine, R. W.: Quantitative Feeding Behavior of White Iron for Location of Geometrically Designed Risers, Sept. p 119-120

Roshan, H. Md.; Ramachandran, E. G.; Seshadri, M. R.; Ramachandran, A.: Analytical Solution to the Heat Transfer in Mold Walls During Solidification of Metals, March p 39-47.

Rusher, R. L., Sr.: Strength Factors of Ceramic Shell Molds, Dec. p 149-153

Scott, W. D.; McSwain, R. H.; Bates, C. E.: Iron-Graphite Surface Phenomena and Their Effects on Iron Solidification, Dec. p 181-189

Seshadri, M. R.; Nehru, K. V. K.; Ramachandran, E. G: Influence of Insulating Mold Coastings on the Solidification of Copper Castings in Metallic Molds and Thermal Behavior of Molds, Sept. p 111-112

Seshadri, M. R.; Prabhakar, K. V.: Feeder Dimensioning for Chilled Al-12% Si Alloy Plate Castings, Dec. p 154-162

Seshadri, M. R.; Ramachandran, E. G.; Roshan, H. Md; Ramachandran, A.: Analytical Solution to the Heat Transfer in Mold Walls During Solidification of Metals, March p 39-47

Seshadri, M. R.; Srinivasan, M. N.; Prasad, M. Rama: Properties of Vermiculite--A Material for Insulating Feeder Heads, Dec. p 171-177

Srinagesh, K.: Mathematical Principles of Sand Reclamation, Dec. p 166-168

Srinivasan, M. N.; Prasad, M. Rama; Seshadri, M. R.: Properties of Vermiculite--A Material for Insulating Feeder Heads, Dec. p 171-177

Steel, C.: Effect of Composition and Melting Practice on Creep-Rupture Properties of Fe-40% Ni-20% Cr Casting Alloy, June p 71-77

Thury, W.: Formation and Avoidance of Graphite Degeneration in Thickwalled Castings of Spheroidal Graphite Iron, Sept. p 134-137

Uda, M.; Pehlke, R. D.: Solubility of Nitrogen in Liquid Fe-C-Si Alloys, March p 30-38

Vigneron, B.; Degois, M.; Faivre, R.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part I, March p 15-17

Vigneron, B.; Faivre, R.; Degois, M.: Influence of Carbon and Silicon Content on Formation and Morphology of Graphite in Cast Fe-C-Si Alloys--Part II, June p 57-61

Wallace, J. R.; Cole, G. S.: Second International Symposium on the Metallurgy of Cast Iron, Sept. p 138-144